

# FLAGON EP

## Unreinforced TPO Membrane for detailing

March 2024

### DESCRIPTION:

Membrane composed of modified polyolefin (TPO). Used for detailing work. The membrane is distinguished by a very high resistance to weathering and UV-rays.

### PACKAGING:

| Packing        | Standard  | Unit | Value  |  |
|----------------|-----------|------|--------|--|
| Length of roll | EN 1848-2 | m    | ≥ 20   |  |
| Width of roll  | EN 1848-2 | m    | ≥ 1.05 |  |
| Weight/roll    |           | Kg   | ± 30   |  |
| Rolls/pallet   |           |      | 14     |  |

### TECHNICAL DATA:

| Composition   | Standard | Unit | Value                     |  |
|---------------|----------|------|---------------------------|--|
| Material      |          |      | Modified polyolefin (TPO) |  |
| Reinforcement |          |      | -                         |  |

| Characteristics                                   | Standard                | Unit              | Value   | Tolerance |
|---|-------------------------|-------------------|---------|-----------|
| Membrane thickness                                | EN 1849-2               | mm                | 1.5     | ± 5%      |
| Weight  | EN 1849-2               | kg/m <sup>2</sup> | 1.40    |           |
| Tensile force (L / T)                             | EN 12311-2              | N/mm <sup>2</sup> | ≥ 9     |           |
| Elongation at maximum tensile force (L / T)       | EN 12311-2              | %                 | ≥ 550   |           |
| Tear resistance (L / T)                           | EN 12310-2              | N                 | ≥ 165   |           |
| Resistance to impact                              | EN 12691-A              | mm                | ≥ 800   |           |
| Foldability at low temperature                    | EN 495-5                | °C                | ≤ -25   |           |
| Watertightness                                    | EN 1928                 |                   | Pass    |           |
| Durability: exposure to UV, heat and water        | EN 1297                 |                   | Grade 0 |           |
| Resistance to static loading                      | EN12730-B               | kg                | ≥ 20    |           |
| Reaction to fire                                  | EN 11925-2 / EN 13501-1 |                   | E       |           |
| Water vapour diffusion resistance coefficient (μ) | EN 1931                 |                   | 150000  | ± 30%     |

### INSTALLATION:

Applied for detailing work in combination with modified polyolefin (TPO) waterproofing membranes. The overlaps need to be welded with hot air. The membrane is applied in conjunction with accessories from Equus Industries Ltd.

### BUILDING COMPLIANCE INFORMATION:

For building compliance information see the relevant system TDS. FLAGON TPO Roof and Deck Membrane or FLAGON TPO-THERM Warm Roof System.

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**HEALTH AND SAFETY:**

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements. For more information, please refer to the relevant safety data sheet.

**Quality, Environment and Safety Management**

SOPREMA always recognizes as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with EN ISO 9001 and EN ISO 14001.

**WARNINGS AND BANS:**

|  |    |
|--|----|
| Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004? | No |
|--|----|

**MANUFACTURERS CONTACT DETAILS:**

|  |   |
|--|---|
| Manufacture location                   | Italy   |
| Legal and trading name of manufacturer | Soprema New Zealand Limited   |
| Manufacturer address for service       | Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand |
| Manufacturer website                   | <a href="http://www.soprema.com.au">www.soprema.com.au</a>                                    |
| Manufacturer email                     | <a href="mailto:info@soprema.com.au">info@soprema.com.au</a>                                  |
| Manufacturer phone number              | +61 3 9221 6230   |
| Manufacturer NZBN                      | 9429050312962   |